

INTEGRITY

ENVIRONMENTAL SERVICES, INC.

INTEGRITY ENVIRONMENTAL SERVICES HEALTH AND SAFETY PLAN FOR BARCLAY FACILITY LEAD PAINT/CHROMIUM/PCB's (8/18/2017)

All work practices conducted will be supervised by a competent person, supervisor.

All Integrity Environmental Services, Inc. employees have undergone a pre-employment physical including biological monitoring and pulmonary function test.

All employees are trained in proper work procedures, respirator use and other applicable Integrity Environmental Services, Inc. training programs.

INITIAL EXPOSURE ASSESSMENT (IEA):

Initial exposure monitoring will be conducted for each work procedure and each regulated material, lead, chromium and PCB's. Until the IEA is conducted the employee will don, at a minimum, a full face respirator with HEPA filtered cartridge.

If the IEA shows that the employee is not exposed above the PEL the employee will at a minimum continue to wear a ½ face respirator with HEPA filtered cartridge wherever lead paint, chromium or PCB's are impacted or disturbed.

Whenever there has been a change in equipment, process, control, personnel or a new task has been initiated additional exposure assessments will be conducted.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

All employees are required to wear protective work clothing where lead, chromium or PCB's are disturbed including but not limited to respirator, disposable suits, coveralls, nitrile or latex gloves, hard hats, face shields and rubber boots.

All disposable clothing will be removed at the completion of the work shift and disposed of in a closed container, 6 ml poly bags.

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CHANGE/SHOWER AREAS:

A dedicated change area will be provided.

A shower decontamination will be provided and attached to the test area containment area.

METHODS OF COMPLIANCE:

DEMARCATATION

Work area will be demarcated prior to commencing work activities.

WARNING

LEAD, CHROMIUM AND PCB AREA

POISON

NO SMOKING OR EATING

ABRASIVE BLASTING AND WASHING PROCEDURE (TEST AREA)

Abrasive blasting with coal slag will be conducted within a small work area enclosed with 6 ml poly.

HEPA filtered exhaust systems, exhausted to the outside, will be utilized to mediate employee exposure and protect areas outside the work area.

Bulk material will be cleaned up and bagged.

Following bagging of bulk material the lead, chromium and PCB impacted surfaces will be cleaned with solvents.

First envirosorb (absorbent material) will be placed beneath the areas where washing is to occur. This will absorb the liquids utilized during the cleaning processes.

This will be followed by an application of Hex-Off to clean the chromium, single wash single rinse procedure.

This will be followed by a single wash single rinse procedure with Penetone 155 for PCB contaminants.

This process is to be used as a TEST to determine employee exposures, cleaning processes, levels of cleanliness and disposal requirements for waste generated during the abrasive blasting process.

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CLEAN UP PROCEDURES

All work areas will be maintained as free as practicable of accumulation of lead, chromium and PCB's. Shoveling, dry or wet scraping and brushing will be used for bulk clean up of waste material generated. This will be done within the HEPA filtered exhaust system containment area.

DISPOSAL

All waste will be bagged in 6ml disposal bags and left on site. The waste will be sent out for sample analysis to determine disposal requirements.